

10/6/01
1698 U.S. PTO

PTO/SB/05 (03-01)

Approved for use through 10/31/2002 OMB 0651-0032

U S. Patent and Trademark Office; U S DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

| | |
|------------------------|-----------------------------------------------------------------------------|
| Attorney Docket No. | 54080-00601 |
| First Inventor | Byron S. Derringer |
| Title | APPARATUS AND METHOD FOR DETECTING OBJECTS LOCATED ON AN AIRPORT |
| Express Mail Label No. | RUNWAY |

A
JC821 U.S. PTO
09/988376
11/19/01**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1. Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)

2. Applicant claims small entity status.
See 37 CFR 1.27.

3. Specification [Total Pages **49**]
(preferred arrangement set forth below)

- Descriptive title of the invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table, or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

4. **32** Drawing(s) (35 U.S.C. 113) [Total Sheets **31**]

5. Oath or Declaration [Total Pages **2**]
 a. Newly executed (original or copy)
 b. Copy from a prior application (37 CFR 1.63 (d))
(for continuation/divisional with Box 18 completed)
 i. **DELETION OF INVENTOR(S)**
 Signed statement attached deleting inventor(s)
 named in the prior application, see 37 CFR
 1.63(d)(2) and 1.33(b)

6. Application Data Sheet See 37 CFR 1.76

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)

8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)

- a. Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
 - i. CD-ROM or CD-R (2 copies); or
 - ii. paper
- c. Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. Assignment Papers (cover sheet & document(s))

10. 37 CFR 3.73(b) Statement Power of (when there is an assignee) Attorney

11. English Translation Document (if applicable)

12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations

13. Preliminary Amendment

14. Return Receipt Postcard (MPEP 503) *(Should be specifically itemized)*

15. Certified Copy of Priority Document(s) (if foreign priority is claimed)

16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.

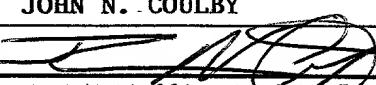
17. Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation Divisional Continuation-in-part (CIP)of prior application No. **09/742,540**Prior application information Examiner **J. Tweel**Group Art Unit **2632**

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

| | | | | |
|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------|-------------------------------------------------------|
| <input type="checkbox"/> Customer Number or Bar Code Label |  (Insert Customer Number or Bar Code Label here) | | or | <input type="checkbox"/> Correspondence address below |
| Name | 25243 | | | |
| Address | PATENT TRADEMARK OFFICE | | | |
| City | State | | Zip Code | |
| Country | Telephone | | Fax | |
| Name (Print/Type) | JOHN N. COULBY | | Registration No. (Attorney/Agent) | 43,565 |
| Signature |  | | Date | 11/19/01 |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U S Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231

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FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 788.00)

Complete if Known

| | |
|----------------------|--------------------|
| Application Number | TBA |
| Filing Date | November 19, 2001 |
| First Named Inventor | Byron S. Derringer |
| Examiner Name | TBA |
| Group Art Unit | TBA |
| Attorney Docket No. | 54080-00601 |

METHOD OF PAYMENT (check all that apply)

 Check Credit card Money Order Other None
 Deposit Account:

| | |
|------------------------|----------------------|
| Deposit Account Number | <input type="text"/> |
| Deposit Account Name | <input type="text"/> |

The Commissioner is authorized to: (check all that apply)

Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) during the pendency of this application
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account

FEE CALCULATION

1. BASIC FILING FEE

| Large Entity | Small Entity | Fee Description | Fee Paid |
|---------------|---------------|------------------------|---------------|
| Fee Code (\$) | Fee Code (\$) | | |
| 101 740 | 201 370 | Utility filing fee | 370.00 |
| 106 330 | 206 165 | Design filing fee | |
| 107 510 | 207 255 | Plant filing fee | |
| 108 740 | 208 370 | Reissue filing fee | |
| 114 160 | 214 80 | Provisional filing fee | |

SUBTOTAL (1) (\$ 370.00)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|-------------------|----------|
| Total Claims | 37 | -20** = 17 x 9.00 | = 153 |
| Independent Claims | 8 | -3** = 5 x 42 | = 210 |
| Multiple Dependent | | | |

| Large Entity | Small Entity | Fee Description |
|---------------|---------------|------------------------------------------------------------|
| Fee Code (\$) | Fee Code (\$) | |
| 103 18 | 203 9 | Claims in excess of 20 |
| 102 84 | 202 42 | Independent claims in excess of 3 |
| 104 280 | 204 140 | Multiple dependent claim, if not paid |
| 109 84 | 209 42 | ** Reissue independent claims over original patent |
| 110 18 | 210 9 | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$ 733.00)

**or number previously paid, if greater; For Reissues, see above

3. ADDITIONAL FEES

| Large Entity | Small Entity | Fee Description | Fee Paid |
|---------------------------|---------------|----------------------------------------------------------------------------|----------|
| Fee Code (\$) | Fee Code (\$) | | |
| 105 130 | 205 65 | Surcharge - late filing fee or oath | |
| 127 50 | 227 25 | Surcharge - late provisional filing fee or cover sheet | |
| 139 130 | 139 130 | Non-English specification | |
| 147 2,520 | 147 2,520 | For filing a request for ex parte reexamination | |
| 112 920* | 112 920* | Requesting publication of SIR prior to Examiner action | |
| 113 1,840* | 113 1,840* | Requesting publication of SIR after Examiner action | |
| 115 110 | 215 55 | Extension for reply within first month | 55.00 |
| 116 400 | 216 200 | Extension for reply within second month | |
| 117 920 | 217 460 | Extension for reply within third month | |
| 118 1,440 | 218 720 | Extension for reply within fourth month | |
| 128 1,960 | 228 980 | Extension for reply within fifth month | |
| 119 320 | 219 160 | Notice of Appeal | |
| 120 320 | 220 160 | Filing a brief in support of an appeal | |
| 121 280 | 221 140 | Request for oral hearing | |
| 138 1,510 | 138 1,510 | Petition to institute a public use proceeding | |
| 140 110 | 240 55 | Petition to revive - unavoidable | |
| 141 1,280 | 241 640 | Petition to revive - unintentional | |
| 142 1,280 | 242 640 | Utility issue fee (or reissue) | |
| 143 460 | 243 230 | Design issue fee | |
| 144 620 | 244 310 | Plant issue fee | |
| 122 130 | 122 130 | Petitions to the Commissioner | |
| 123 50 | 123 50 | Processing fee under 37 CFR 1.17(q) | |
| 126 180 | 126 180 | Submission of Information Disclosure Stmt | |
| 581 40 | 581 40 | Recording each patent assignment per property (times number of properties) | |
| 146 740 | 246 370 | Filing a submission after final rejection (37 CFR § 1.129(a)) | |
| 149 740 | 249 370 | For each additional invention to be examined (37 CFR § 1.129(b)) | |
| 179 740 | 279 370 | Request for Continued Examination (RCE) | |
| 169 900 | 169 900 | Request for expedited examination of a design application | |
| Other fee (specify) _____ | | | |

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 55.00)

Complete if applicable

| SUBMITTED BY | |
|-------------------|-------------------------------------------------------------------------------------|
| Name (Print/Type) | JOHN N. COULBY |
| Signature |  |

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November 19, 2001

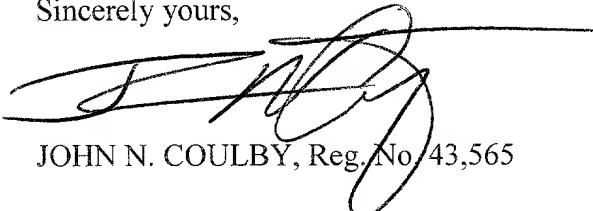
Assistant Commissioner for Patents
Washington, D.C. 20231

Re: Continuation-in-Part of U.S. Patent Application Serial No. 09/742,540
For: APPARATUS AND METHOD FOR DETECTING OBJECTS
LOCATED ON AN AIRPORT RUNWAY
Our Reference: 54080-00601

Dear Sir:

Transmitted herewith for filing in the U.S. Patent and Trademark Office are the following documents: (1) Utility Patent Application Transmittal (1 sheet); (2) Fee Transmittal Form (1 sheet); (3) specification, including claims and abstract (41 sheets); (4) drawings depicting Figs. 1-32 (in duplicate) (31 sheets); (5) Executed Declaration; (6) Petition For Extension of Time (1 sheet); and (7) Check No. 116559 in the amount of \$788.00 to cover the fees associated therewith (\$370.00 for basic filing fee, \$363.00 for additional claims and \$55.00 for a one-month extension of time).

Sincerely yours,



JOHN N. COULBY, Reg. No. 43,565

Enclosures